

Application 10/597,935
Filed September 7, 2007
Office Action mailed September 17, 2007
Amendment dated March 17, 2010

Amendments to the Claims:

The listing of claims will replace all prior versions and listings of claims in the application.

1-49. Cancelled.

50. (New) A therapeutic composition for ingestion for the treatment or prophylaxis of a cancerous condition which causes an acidic microenvironment, said composition comprising a proton pump inhibitor and an antacid.

51. (New) A method for treatment or prophylaxis of a cancerous condition which causes an acidic microenvironment, said method comprising the step of oral administration of a therapeutic composition comprising a proton pump inhibitor to a patient in need thereof.

52. (New) The method of claim 51, wherein the cancerous condition is a tumor.

53. (New) The method of claim 52, wherein the tumor is metastatic.

54. (New) The method of claim 51, wherein the proton pump inhibitor is a 2-pyridyl methylsulphinyl benzimidazole proton pump inhibitor.

55. (New) The method of claim 54, wherein the proton pump inhibitor is selected from of omeprazole, lansoprazole, pantoprazole, esomeprazole, rabeprazole, and mixtures thereof.

56. (New) The method of claim 51, further comprising the step of administering to the patient an antacid or an antacid drug in an amount sufficient to prevent total sequestration of the proton pump inhibitor in the stomach of the patient.

57. (New) The method of claim 56, wherein the antacid or antacid drug is administered prior to the proton pump inhibitor.

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58. (New) The method of claim 57, wherein the antacid is calcium carbonate.
59. (New) The method of claim 56, wherein the antacid drug is an H₂-receptor antagonist.
60. (New) The method of claim 59, wherein H₂-receptor antagonist is ranitidine or cimetidine.
61. (New) A method for combination therapy or prophylaxis of a disease condition which causes an acidic microenvironment, wherein said condition is not a gastric condition, said method comprising the steps of:
 - (a) administering to a patient in need thereof a first therapeutic composition comprising a proton pump inhibitor; and
 - (b) after step (a), administering to the patient a second therapeutic composition comprising at least one further drug for treating said disease.
62. (New) The method of claim 61, wherein the administering of the first therapeutic composition is sufficiently prior to the administration of the second therapeutic composition so as to reduce the acidity associated with the site of the said condition.
63. (New) The method of claim 62, wherein the administering of the first therapeutic composition of step (a) is between 30 minutes and 3 days prior to administering of the second therapeutic composition of step (b).
64. (New) The method of claim 61, wherein the at least one further drug is selected from the group consisting of vinka alkaloids, taxanes, anthracyclines, anthracenes, epipodophyllotoxins, camptothecins, heavy metal oxyanions, actinomycin d, mitomycin c, methotrexate, trimetrexate, amsacrine, imitinib, melphalan, 5-fluorouracil and cisplatin.

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65. (New) The method of claim 61, wherein the disease condition is resistant to the further drug, and the step of administering the first therapeutic composition comprising the proton pump inhibitor is carried out at a time when levels of the further drug are clinically sub-effective.
66. (New) The method of claim 65, wherein the disease condition is a cancerous condition.
67. (New) The method of claim 66, wherein the condition is a tumor.
68. (New) The method of claim 67, wherein the tumor is metastatic.
69. (New) The method of claim 65, wherein the disease condition is AIDS, rheumatoid arthritis, ulcerative colitis, Crohn's disease, or a combination thereof.
70. (New) The method of claim 69, wherein the condition is AIDS, and the further drug is a highly active antiretroviral therapy (HAART) drug.
71. (New) The method of claim 65, wherein the proton pump inhibitor is a 2-pyridyl methylsulphonyl benzimidazole proton pump inhibitor.
72. (New) The method of claim 71, wherein the proton pump inhibitor is omeprazole, lansoprazole, pantoprazole, esomeprazole, rabeprazole or mixtures thereof.
73. (New) The method of claim 65, wherein the first therapeutic composition further comprises an antacid.
74. (New) The method of claim 72, wherein the proton pump inhibitor is omeprazole.
75. (New) The method of claim 61, wherein the proton pump inhibitor is omeprazole.

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76. (New) The therapeutic composition of claim 50, wherein the medicament further comprises an anticancer therapeutic agent.